

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:

Cleco, Brame Energy Center
CANEY CREEK WILDERNESS AREA CALPOST 2001
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default !ISYR = 2001 !
Month (ISMO) -- No default !ISMO = 1 !
Day (ISDY) -- No default !ISDY = 1 !
Starting time: Hour (ISHR) -- No default !ISHR = 0 !
Minute (ISMIN) -- No default !ISMIN = 0 !
Second (ISSEC) -- No default !ISSEC = 0 !

Ending date: Year (IEYR) -- No default !IEYR = 2001 !
Month (IEMO) -- No default !IEMO = 12 !
Day (IEDY) -- No default !IEDY = 31 !
Ending time: Hour (IEHR) -- No default !IEHR = 0 !
Minute (IEMIN) -- No default !IEMIN = 0 !
Second (IESEC) -- No default !IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation
(BTZONE) -- No default !BTZONE = 0.0 !

Process every period of data?
(NREP) -- Default: 1 !NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO2 when ASPEC=NO2 (above) or LVNO2=T (Group 2) may be from CALPUFF NO2 concentrations OR from a fraction of CALPUFF NOx concentrations. Specify the fraction of NOx that is treated as NO2 either as a constant or as a table of fractions that depend on the magnitude of the NOx concentration:

(NO2CALC) -- Default: 1 ! NO2CALC = 1 !
0 = Use NO2 directly (NO2 must be in file)
1 = Specify a single NO2/NOx ratio (RNO2NOX)
2 = Specify a table NO2/NOx ratios (TNO2NOX)
(NOTE: Scaling Factors must NOT be used with NO2CALC=2)

Single NO2/NOx ratio (0.0 to 1.0) for treating some or all NOx as NO2, where [NO2] = [NOX] * RNO2NOX
(used only if NO2CALC = 1)
(RNO2NOX) -- Default: 1.0 ! RNO2NOX = 1.0 !

Table of NO2/NOx ratios that vary with NOx concentration.
Provide 14 NOx concentrations (ug/m**3) and the corresponding NO2/NOx ratio, with NOx increasing in magnitude. The ratio used for a particular NOx concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NOx concentration (the first) is used for all NOx concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NOx concentration (the last) is used for all NOx concentrations greater than the largest tabulated value.
(used only if NO2CALC = 2)

NOx concentration(ug / m3)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO2/NOx ratio for each NOx concentration:
(TNO2NOX) -- No default

```
! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,  
    1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !
```

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
 - 1 = Sum all individual source contributions and process
 - 2 = Run in TRACEBACK mode to identify source contributions at a SINGLE receptor
- (MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
 - 1 = Apply CALM processing procedures to multiple-hour averages
- (MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
- (MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !

Discrete receptors processed? (LD) -- Default: F ! LD = T !

CTSG Complex terrain receptors processed?

(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?

(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;

OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

0 = discrete receptor not processed

1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1
! NDRECP = 80*1, 40*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process
(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed
1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:
23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVS04) -- Default: T ! LVS04 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVMPC) -- Default: T ! LVMPC = T !

Include FINE PARTICLES? (LVMF) -- Default: T ! LVMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file
COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EEPNC) -- Default: 0.6 ! EEPNC = 0.6 !
PM FINE (EEPNF) -- Default: 1.0 ! EEPNF = 1 !

BACKGROUND particulate species:

PM COARSE (EPMCBK) -- Default: 0.6 ! EPMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !
AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !
ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !
SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !
ELEMENTAL CARBON (EEECC) -- Default: 10. ! EEECC = 10 !
NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)
AMMONIUM SULFATE (EESO4L) Set Internally (large)
AMMONIUM NITRATE (EENO3S) Set Internally (small)
AMMONIUM NITRATE (EENO3L) Set Internally (large)
ORGANIC CARBON (EEOCS) Set Internally (small)
ORGANIC CARBON (EEOCL) Set Internally (large)
SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:
Hourly ratio of source light extinction / background light extinction
is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !
FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
- Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
- FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
- Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
- Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at F(RHMAX)
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.

These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFRC) -- No default ! RHFRC = 10 !

Additional inputs used for MVISBK = 6,8:

Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,
3.2, 3.2, 3.0, 3.0,
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that
is identified as VSRN.DAT may contain data for more than one
station. Identify the stations that are needed in the order in
which they will be used to obtain valid weather and visual range.
The first station that contains valid data for an hour will be
used. Enter up to MXWSTA (set in PARAMS file) integer station IDs
of up to 6 digits each as variable IDWSTA, and enter the corresponding
time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used
in place of the observed weather file. Identify this as the VSRN.DAT
file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The
DATSAV abbreviated space-delimited data usually are prepared
with UTC time rather than local time, so TZONE is typically
set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly
CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23,
0.23, 0.23, 0.23 !
(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10,
0.10, 0.10, 0.10 !
(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00,
3.00, 3.00, 3.00 !
(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80,
1.80, 1.80, 1.80 !
(BKSOIL) -- No default ! BKSOIL= 0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50,
0.50, 0.50, 0.50 !
(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02,
0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January.
(ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA).
Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes
(RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,
3.66, 3.71, 3.49, 3.51,
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes
(RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,
2.68, 2.71, 2.59, 2.60,
2.71, 2.69, 2.67, 2.79 !

Sea salt particles
(RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.

Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB.
In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

 - 2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

 - 3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !
 - Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !
 - Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

 - 4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !
 - Identify the threshold for each averaging time by assigning a non-negative value (output units).
 - Default: -1.0
 - Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
 - Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
 - Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
 - Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

 - Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.
- Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
- Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day
[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0
! IECHO = 366*0 !
(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...].

In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid.

The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1951 2050

```
*****  
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

CALPOST Control File Input Summary

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2001
month: 1
day: 1
Julian day: 0
Time at start of run - hour(0-23): 0
- minute: 0
- second: 0

Run ending date -- year: 2001
month: 12
day: 31
Julian day: 0
Time at end of run - hour(0-23): 0
- minute: 0
- second: 0

Base time zone (Group 1): 0.0

Every period of data processed -- NREP = 1

Species & Concentration/Deposition Information

Species: VISIB
Layer of processed data: 1
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
Multiplicative scaling factor: 0.0000E+00
Additive scaling factor: 0.0000E+00
Hourly background values used?: F

SAMPLER option

Processing method: 0
0= SAMPLER option not used
1= Report total modeled impact (list file)
2= TRACEBACK mode (DAT files)
3= TRACEBACK mode with sampling factor (DAT files)

Source information

Source contribution processing: 0
0= No source contributions
1= Contributions are summed
2= TRACEBACK mode for 1 receptor
3= Reported TOTAL is processed

Receptor information

Gridded receptors processed?: F
Discrete receptors processed?: T
CTSG Complex terrain receptors processed?: F

Discrete Receptors Processed

Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: CACR

Extinction Computation includes:

SULFATES
NITRATES
NO₂ GAS

Fraction CALPUFF NOx used as NO₂ : 1.000

ORGANIC CARBON
ELEMENTAL CARBON
COARSE PARTICLES
FINE PARTICLES
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC
fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000
ammonium sulfate L: 4.8000
ammonium nitrate S: 2.4000
ammonium nitrate L: 5.1000
organic carbon S: 2.8000
organic carbon L: 6.1000
sea salt: 1.7000
NO₂ gas: 0.1755
soil: 1.0000
elemental carbon: 10.0000
MODELED coarse PM: 0.6000
MODELED fine PM: 1.0000
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5
(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01
2 .3440E+01
3 .3140E+01
4 .3240E+01
5 .3660E+01
6 .3710E+01
7 .3490E+01
8 .3510E+01
9 .3730E+01
10 .3720E+01
11 .3680E+01
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01
2 .2530E+01
3 .2370E+01
4 .2430E+01

5 .2680E+01
6 .2710E+01
7 .2590E+01
8 .2600E+01
9 .2710E+01
10 .2690E+01
11 .2670E+01
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01
2 .3520E+01
3 .3310E+01
4 .3410E+01
5 .3830E+01
6 .3880E+01
7 .3690E+01
8 .3680E+01
9 .3820E+01
10 .3760E+01
11 .3770E+01
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T

User-specified averages: F
Length of run averages: F

Output components selected

 Top-50: F
 Top-N values at each receptor: F
 Exceedance counts at each receptor: F
 Output selected information for debugging: F
 Echo tables for selected days: F
 Time-series for selected days: F
 Peak value Time-series for selected days: F

Plot file option

 Plot files created: F

MAPSPEC: Species Mapping

 Number of species-levels in file : 9
 Number of species-levels processed: 10

Input ID	Processing ID	Name
1	1	SO2
2	2	SO4
3	3	NOX
4	4	HNO3
5	5	NO3
6	6	PMC
7	7	PMF
8	8	EC
9	9	SOA

Visibility Species

	Processing ID	Name
sulfate	2	SO4
no2gas	10	NO2
noxgas	3	NOX
nitrate	5	NO3
specpmf	7	PMF
specpmc	6	PMC
orgcarb	9	SOA
lmncarb	8	EC

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8 070623

Cleco, Brame Energy Center
ALM-step1
Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

Number of averaging periods in file from model:

8760

Chemical species names for each layer in model:

SO ₂	1
SO ₄	1
NOX	1
HNO ₃	1
NO ₃	1
PMC	1
PMF	1
EC	1
SOA	1

QA Information -- Internal Representation of Data

CONTENTS OF CONTROL FILE -----

```

navg,ntop      = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR    = F F T
LNAVG, LRUNL   = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPKAK = F F F
THRESH1        = -1.00000000
THRESH3        = -1.00000000
THRESH24       = -1.00000000
THRESHN        = -1.00000000
PLT, LGRD     = F F
MDVIS         = 1
LDEBUG        = F
LCTSG         = F

```

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

```

model : CALPUFF 5.8      070623
msyr,mjsday = 2000 366
mshr,mssec  = 23 0
nsecdt (period) = 3600
xbtz        = 0.0000000E+00
mnper,nszout,mavgpd = 8760 9 1
xorigkm,yorigkm,nsssta = -1008.00006 -1620.00012 0
ielmet,jelmet = 306 246
delx,dely,nz = 6.00000048 6.00000048 1
iastar,iastop,jastar,jastop = 1 306 1 246
isastr,isastp,jsastr,jsastp = 1 306 1 246
(computed) ngx,ngy = 306 246
meshdn,npts,nareas = 1 2 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

```

Discrete Receptors (n,x,y,z):

```

1 270.325958 -617.518738 365.000000
2 271.090424 -617.493958 365.000000
3 271.854797 -617.469055 368.000000
4 268.767365 -616.646362 411.000000
5 269.531738 -616.621643 462.000000
6 270.296112 -616.596924 431.000000
7 271.060486 -616.572083 518.000000
8 271.824768 -616.547180 487.000000
9 272.589142 -616.522217 396.000000
10 265.680573 -615.822449 518.000000
11 266.444855 -615.798096 523.000000
12 267.209137 -615.773560 548.000000
13 267.973419 -615.749023 579.000000
14 268.737701 -615.724487 547.000000
15 269.501984 -615.699768 538.000000
16 270.266174 -615.674988 640.000000
17 271.030457 -615.650146 608.000000
18 260.301758 -615.069458 335.000000
19 261.065948 -615.045532 431.000000
20 261.830139 -615.021545 457.000000
21 262.594421 -614.997498 414.000000
22 263.358612 -614.973389 426.000000

```

23 264.122803 -614.949219 426.000000
24 264.886993 -614.924866 388.000000
25 265.651184 -614.900513 388.000000
26 266.415375 -614.876160 365.000000
27 267.179565 -614.851746 386.000000
28 267.943756 -614.827209 396.000000
29 268.707947 -614.802551 426.000000
30 269.472137 -614.777832 446.000000
31 270.236328 -614.753113 441.000000
32 271.000519 -614.728210 457.000000
33 271.764709 -614.703430 465.000000
34 272.528900 -614.678406 442.000000
35 273.293091 -614.653320 426.000000
36 260.273010 -614.147583 304.000000
37 261.037109 -614.123596 304.000000
38 261.801208 -614.099609 319.000000
39 262.565308 -614.075623 334.000000
40 263.329498 -614.051453 370.000000
41 264.093597 -614.027283 405.000000
42 264.857697 -614.003052 409.000000
43 265.621796 -613.978699 450.000000
44 266.385895 -613.954224 518.000000
45 267.150085 -613.929871 609.000000
46 267.914185 -613.905273 534.000000
47 268.678284 -613.880615 517.000000
48 269.442383 -613.856018 575.000000
49 270.206482 -613.831177 600.000000
50 270.970581 -613.806458 609.000000
51 271.734680 -613.781555 609.000000
52 272.498779 -613.756592 561.000000
53 261.008270 -613.201660 335.000000
54 261.772278 -613.177795 432.000000
55 262.536285 -613.153687 487.000000
56 263.300385 -613.129517 499.000000
57 264.064392 -613.105347 514.000000
58 264.828400 -613.081177 442.000000
59 265.592407 -613.056824 439.000000
60 266.356506 -613.032410 395.000000
61 267.120514 -613.007935 400.000000
62 267.884521 -612.983398 426.000000
63 268.648529 -612.958801 487.000000
64 269.412537 -612.934143 548.000000
65 270.176544 -612.909363 548.000000
66 270.940643 -612.884521 548.000000
67 271.704651 -612.859619 535.000000
68 261.743347 -612.255859 304.000000
69 262.507263 -612.231750 334.000000
70 263.271271 -612.207703 396.000000
71 264.035187 -612.183533 457.000000
72 264.799103 -612.159241 457.000000
73 265.563110 -612.134888 426.000000
74 266.327026 -612.110535 411.000000
75 267.090942 -612.086121 406.000000
76 267.854858 -612.061462 396.000000
77 268.618866 -612.036926 401.000000
78 269.382782 -612.012207 397.000000

79 261.714325 -611.333984 322.000000
80 262.478241 -611.309937 334.000000
81 777.710327 -1118.01306 0.00000000E+00
82 779.970947 -1115.93896 0.00000000E+00
83 780.696777 -1114.93750 0.00000000E+00
84 781.422607 -1113.93604 0.00000000E+00
85 785.607117 -1106.06689 0.00000000E+00
86 789.226929 -1101.05811 0.00000000E+00
87 789.783386 -1098.19727 0.00000000E+00
88 791.229553 -1096.19348 1.00000000
89 791.145874 -1095.26416 1.00000000
90 791.784912 -1093.33289 1.00000000
91 791.701233 -1092.40356 1.00000000
92 792.339722 -1090.47253 1.00000000
93 792.256042 -1089.54321 1.00000000
94 792.172180 -1088.61401 1.00000000
95 792.088318 -1087.68494 1.00000000
96 792.004639 -1086.75574 0.00000000E+00
97 791.920776 -1085.82666 0.00000000E+00
98 791.753418 -1083.96826 0.00000000E+00
99 792.558716 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585876 -1082.11023 0.00000000E+00
102 792.390991 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307129 -1081.10864 1.00000000
105 791.418335 -1080.25220 1.00000000
106 791.334473 -1079.32324 1.00000000
107 790.446045 -1078.46667 0.00000000E+00
108 791.250793 -1078.39417 1.00000000
109 790.362366 -1077.53772 0.00000000E+00
110 791.167114 -1077.46521 1.00000000
111 790.278687 -1076.60876 0.00000000E+00
112 790.195007 -1075.67993 0.00000000E+00
113 790.111328 -1074.75098 1.00000000
114 789.223267 -1073.89453 0.00000000E+00
115 789.139771 -1072.96558 0.00000000E+00
116 788.251892 -1072.10913 0.00000000E+00
117 788.168396 -1071.18030 1.00000000
118 787.280884 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506226 -1068.61035 0.00000000E+00

Surface Met Station UTM_s (n,x,y):

Control-file POINT Sources : 2
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names
UNIT 1

UNIT 2

INPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.INP	5	CT_CLECO_01_CACR.INP
MODEL.DAT	4	pu_cleco_01.flx

OUTPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.LST	8	ct_cleco_01_cacr.lst
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```
*****
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME		Modeled Extinction by Species																		
Small	Large	SSalt	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	
2000	366	23	1	270.326 -617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.880	2.790	3.930														
2001	1	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2001	2	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2001	3	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2001	4	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2001	5	23	1	270.326 -617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900														
2001	6	23	9	272.589 -616.522	D	0.486	22.161	22.647	2.19	0.250	0.231	0.002								
0.002	0.000	0.002	0.000	3.850	2.770	3.900														

2001	7 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	8 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	9 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	10 23	18	260.302	-615.069	D	0.009	22.161	22.170	0.04	0.006	0.003	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	11 23	18	260.302	-615.069	D	1.505	22.161	23.666	6.79	1.024	0.473	0.002
0.002	0.000	0.003	0.000	3.850	2.770	3.900						
2001	12 23	19	261.066	-615.046	D	2.712	22.161	24.873	12.24	1.730	0.941	0.006
0.007	0.001	0.010	0.018	3.850	2.770	3.900						
2001	13 23	35	273.293	-614.653	D	2.379	22.161	24.540	10.74	1.524	0.836	0.004
0.005	0.000	0.007	0.004	3.850	2.770	3.900						
2001	14 23	9	272.589	-616.522	D	0.001	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	15 23	1	270.326	-617.519	D	0.002	22.161	22.163	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	16 23	18	260.302	-615.069	D	0.001	22.161	22.162	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	17 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	18 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	19 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	20 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	21 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	22 23	3	271.855	-617.469	D	0.013	22.161	22.174	0.06	0.008	0.005	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	23 23	3	271.855	-617.469	D	0.025	22.161	22.186	0.11	0.017	0.008	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	24 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	25 23	3	271.855	-617.469	D	1.684	22.161	23.845	7.60	0.985	0.673	0.005
0.007	0.000	0.009	0.005	3.850	2.770	3.900						
2001	26 23	9	272.589	-616.522	D	0.052	22.161	22.213	0.24	0.042	0.010	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	27 23	18	260.302	-615.069	D	1.100	22.161	23.260	4.96	0.799	0.294	0.002
0.002	0.000	0.003	0.000	3.850	2.770	3.900						
2001	28 23	35	273.293	-614.653	D	3.743	22.161	25.904	16.89	2.424	1.259	0.009
0.011	0.001	0.016	0.023	3.850	2.770	3.900						
2001	29 23	35	273.293	-614.653	D	0.009	22.161	22.170	0.04	0.008	0.002	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	30 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	31 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900						
2001	32 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2001	33 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						
2001	34 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520						

2001	35	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	37	23	9	272.589	-616.522	D	0.073	21.835	21.908	0.34	0.040	0.033	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	38	23	35	273.293	-614.653	D	0.053	21.835	21.888	0.24	0.038	0.015	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	39	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	40	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	41	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	42	23	3	271.855	-617.469	D	0.987	21.835	22.822	4.52	0.620	0.354	0.002
0.003	0.000	0.004	0.003	3.440	2.530	3.520							
2001	43	23	7	271.060	-616.572	D	8.846	21.835	30.681	40.51	6.165	2.583	0.015
0.021	0.003	0.029	0.030	3.440	2.530	3.520							
2001	44	23	35	273.293	-614.653	D	3.380	21.835	25.215	15.48	2.369	0.980	0.006
0.008	0.000	0.011	0.006	3.440	2.530	3.520							
2001	45	23	67	271.705	-612.860	D	2.153	21.835	23.987	9.86	1.534	0.608	0.003
0.003	0.000	0.005	0.000	3.440	2.530	3.520							
2001	46	23	3	271.855	-617.469	D	1.034	21.835	22.869	4.73	0.752	0.277	0.001
0.001	0.000	0.002	0.000	3.440	2.530	3.520							
2001	47	23	3	271.855	-617.469	D	0.001	21.835	21.836	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	48	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	49	23	9	272.589	-616.522	D	1.104	21.835	22.938	5.05	0.494	0.588	0.004
0.006	0.001	0.008	0.004	3.440	2.530	3.520							
2001	50	23	79	261.714	-611.334	D	0.071	21.835	21.906	0.32	0.051	0.020	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	51	23	3	271.855	-617.469	D	1.360	21.835	23.195	6.23	0.943	0.402	0.003
0.004	0.000	0.006	0.002	3.440	2.530	3.520							
2001	52	23	3	271.855	-617.469	D	1.269	21.835	23.104	5.81	0.913	0.345	0.003
0.003	0.000	0.005	0.001	3.440	2.530	3.520							
2001	53	23	18	260.302	-615.069	D	0.061	21.835	21.896	0.28	0.047	0.014	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	54	23	18	260.302	-615.069	D	0.911	21.835	22.746	4.17	0.502	0.385	0.004
0.005	0.000	0.007	0.010	3.440	2.530	3.520							
2001	55	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	56	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	57	23	18	260.302	-615.069	D	0.086	21.835	21.920	0.39	0.054	0.030	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	58	23	3	271.855	-617.469	D	0.036	21.835	21.870	0.16	0.027	0.008	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	59	23	3	271.855	-617.469	D	0.072	21.835	21.907	0.33	0.059	0.013	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	60	23	3	271.855	-617.469	D	0.213	21.600	21.813	0.99	0.172	0.040	0.000
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2001	61	23	3	271.855	-617.469	D	0.157	21.600	21.757	0.73	0.128	0.029	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	62	23	3	271.855	-617.469	D	0.040	21.600	21.640	0.19	0.032	0.008	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							

2001	63	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	64	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	65	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	66	23	3	271.855	-617.469	D	0.067	21.600	21.667	0.31	0.055	0.011	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	67	23	3	271.855	-617.469	D	0.052	21.600	21.652	0.24	0.041	0.011	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	68	23	18	260.302	-615.069	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	69	23	9	272.589	-616.522	D	1.341	21.600	22.941	6.21	0.775	0.539	0.006
0.008	0.000	0.011	0.001	3.140	2.370	3.310							
2001	70	23	18	260.302	-615.069	D	0.551	21.600	22.151	2.55	0.318	0.215	0.002
0.003	0.001	0.004	0.008	3.140	2.370	3.310							
2001	71	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	72	23	3	271.855	-617.469	D	0.044	21.600	21.644	0.20	0.030	0.014	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	73	23	9	272.589	-616.522	D	0.725	21.600	22.325	3.36	0.360	0.349	0.002
0.003	0.000	0.004	0.006	3.140	2.370	3.310							
2001	74	23	78	269.383	-612.012	D	0.024	21.600	21.624	0.11	0.019	0.005	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	75	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	76	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	77	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	78	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	79	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	80	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	81	23	35	273.293	-614.653	D	0.102	21.600	21.702	0.47	0.082	0.019	0.000
0.000	0.000	0.001	0.000	3.140	2.370	3.310							
2001	82	23	35	273.293	-614.653	D	0.997	21.600	22.597	4.62	0.776	0.211	0.003
0.003	0.000	0.005	0.000	3.140	2.370	3.310							
2001	83	23	3	271.855	-617.469	D	0.001	21.600	21.601	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	84	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	85	23	18	260.302	-615.069	D	0.005	21.600	21.605	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	86	23	36	260.273	-614.148	D	0.041	21.600	21.641	0.19	0.033	0.007	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	87	23	18	260.302	-615.069	D	0.193	21.600	21.793	0.89	0.154	0.038	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	88	23	18	260.302	-615.069	D	0.127	21.600	21.727	0.59	0.107	0.019	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	89	23	18	260.302	-615.069	D	0.351	21.600	21.951	1.63	0.305	0.044	0.001
0.001	0.000	0.001	0.000	3.140	2.370	3.310							
2001	90	23	1	270.326	-617.519	D	0.168	21.600	21.767	0.78	0.155	0.011	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							

2001	91	23	35	273.293	-614.653	D	0.890	21.680	22.570	4.11	0.832	0.053	0.001
0.001	0.000	0.002	0.000	3.240	2.430	3.410							
2001	92	23	67	271.705	-612.860	D	0.129	21.680	21.809	0.60	0.116	0.013	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	93	23	67	271.705	-612.860	D	0.033	21.680	21.713	0.15	0.030	0.003	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	94	23	35	273.293	-614.653	D	0.034	21.680	21.713	0.15	0.023	0.010	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	95	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	96	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	97	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	98	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	99	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	100	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	101	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	102	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	103	23	3	271.855	-617.469	D	0.502	21.680	22.182	2.31	0.314	0.183	0.001
0.001	0.000	0.002	0.001	3.240	2.430	3.410							
2001	104	23	35	273.293	-614.653	D	0.489	21.680	22.169	2.26	0.327	0.159	0.001
0.001	0.000	0.001	0.000	3.240	2.430	3.410							
2001	105	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	106	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	107	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	108	23	3	271.855	-617.469	D	0.140	21.680	21.820	0.65	0.088	0.050	0.000
0.001	0.000	0.001	0.000	3.240	2.430	3.410							
2001	109	23	79	261.714	-611.334	D	0.022	21.680	21.701	0.10	0.018	0.004	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	110	23	79	261.714	-611.334	D	0.011	21.680	21.691	0.05	0.010	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	111	23	18	260.302	-615.069	D	0.001	21.680	21.681	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	112	23	79	261.714	-611.334	D	0.001	21.680	21.681	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	113	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	114	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	115	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	116	23	18	260.302	-615.069	D	0.007	21.680	21.686	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	117	23	18	260.302	-615.069	D	0.054	21.680	21.734	0.25	0.051	0.002	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	118	23	18	260.302	-615.069	D	0.803	21.680	22.483	3.70	0.725	0.070	0.002
0.003	0.000	0.004	0.000	3.240	2.430	3.410							

2001	119	23	18	260.302	-615.069	D	1.161	21.680	22.841	5.35	0.901	0.244	0.004
0.005	0.000	0.007	0.000	3.240	2.430	3.410							
2001	120	23	18	260.302	-615.069	D	0.526	21.680	22.206	2.43	0.468	0.048	0.002
0.003	0.000	0.004	0.000	3.240	2.430	3.410							
2001	121	23	35	273.293	-614.653	D	0.016	22.015	22.032	0.07	0.015	0.001	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	122	23	35	273.293	-614.653	D	0.056	22.015	22.071	0.25	0.037	0.016	0.000
0.000	0.000	0.001	0.000	3.660	2.680	3.830							
2001	123	23	35	273.293	-614.653	D	0.700	22.015	22.715	3.18	0.548	0.132	0.003
0.005	0.001	0.006	0.004	3.660	2.680	3.830							
2001	124	23	35	273.293	-614.653	D	0.116	22.015	22.132	0.53	0.089	0.023	0.001
0.001	0.000	0.001	0.001	3.660	2.680	3.830							
2001	125	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	126	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	127	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	128	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	129	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	130	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	131	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	132	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	133	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	134	23	3	271.855	-617.469	D	0.331	22.015	22.346	1.50	0.301	0.027	0.001
0.001	0.000	0.001	0.000	3.660	2.680	3.830							
2001	135	23	3	271.855	-617.469	D	0.565	22.015	22.580	2.56	0.550	0.012	0.001
0.001	0.000	0.001	0.000	3.660	2.680	3.830							
2001	136	23	35	273.293	-614.653	D	0.214	22.015	22.230	0.97	0.210	0.003	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	137	23	35	273.293	-614.653	D	0.000	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	138	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	139	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	140	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	141	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	142	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	143	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	144	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	145	23	1	270.326	-617.519	D	0.000	22.015	22.016	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	146	23	3	271.855	-617.469	D	0.062	22.015	22.078	0.28	0.060	0.002	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							

2001	147	23	9	272.589	-616.522	D	0.074	22.015	22.089	0.34	0.069	0.005	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	148	23	9	272.589	-616.522	D	0.089	22.015	22.104	0.40	0.084	0.004	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	149	23	35	273.293	-614.653	D	0.339	22.015	22.355	1.54	0.288	0.048	0.001
0.001	0.000	0.001	0.000	3.660	2.680	3.830							
2001	150	23	52	272.499	-613.757	D	0.001	22.015	22.017	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	151	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	152	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	153	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	154	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	155	23	35	273.293	-614.653	D	1.630	22.055	23.686	7.39	1.354	0.232	0.007
0.009	0.001	0.013	0.014	3.710	2.710	3.880							
2001	156	23	18	260.302	-615.069	D	0.212	22.055	22.267	0.96	0.195	0.011	0.001
0.001	0.000	0.002	0.002	3.710	2.710	3.880							
2001	157	23	80	262.478	-611.310	D	0.010	22.055	22.066	0.05	0.010	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	158	23	79	261.714	-611.334	D	0.084	22.055	22.140	0.38	0.082	0.002	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	159	23	18	260.302	-615.069	D	0.015	22.055	22.071	0.07	0.015	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	160	23	36	260.273	-614.148	D	0.003	22.055	22.058	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	161	23	79	261.714	-611.334	D	0.002	22.055	22.058	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	162	23	1	270.326	-617.519	D	0.099	22.055	22.154	0.45	0.096	0.002	0.000
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2001	163	23	35	273.293	-614.653	D	1.792	22.055	23.848	8.13	1.704	0.070	0.005
0.006	0.000	0.008	0.000	3.710	2.710	3.880							
2001	164	23	67	271.705	-612.860	D	0.035	22.055	22.090	0.16	0.034	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	166	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	167	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	168	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	169	23	18	260.302	-615.069	D	0.127	22.055	22.182	0.58	0.120	0.005	0.000
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2001	170	23	18	260.302	-615.069	D	0.467	22.055	22.522	2.12	0.453	0.009	0.002
0.001	0.000	0.002	0.000	3.710	2.710	3.880							
2001	171	23	36	260.273	-614.148	D	0.729	22.055	22.784	3.31	0.706	0.018	0.001
0.002	0.000	0.002	0.000	3.710	2.710	3.880							
2001	172	23	3	271.855	-617.469	D	0.164	22.055	22.220	0.74	0.154	0.009	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	173	23	36	260.273	-614.148	D	0.041	22.055	22.096	0.19	0.040	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	174	23	36	260.273	-614.148	D	0.025	22.055	22.080	0.11	0.025	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							

2001	175	23	18	260.302	-615.069	D	0.270	22.055	22.326	1.23	0.259	0.009	0.001
0.001	0.000	0.001	0.000	3.710	2.710	3.880							
2001	176	23	18	260.302	-615.069	D	1.945	22.055	24.000	8.82	1.841	0.083	0.005
0.006	0.001	0.009	0.000	3.710	2.710	3.880							
2001	177	23	35	273.293	-614.653	D	1.642	22.055	23.697	7.44	1.554	0.072	0.004
0.005	0.001	0.007	0.000	3.710	2.710	3.880							
2001	178	23	67	271.705	-612.860	D	0.451	22.055	22.507	2.05	0.434	0.014	0.001
0.001	0.000	0.001	0.000	3.710	2.710	3.880							
2001	179	23	35	273.293	-614.653	D	0.137	22.055	22.192	0.62	0.132	0.004	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	180	23	67	271.705	-612.860	D	0.046	22.055	22.101	0.21	0.044	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	181	23	3	271.855	-617.469	D	0.052	22.055	22.108	0.24	0.051	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	182	23	9	272.589	-616.522	D	1.793	21.881	23.674	8.19	1.660	0.115	0.004
0.005	0.001	0.007	0.000	3.490	2.590	3.690							
2001	183	23	18	260.302	-615.069	D	1.961	21.881	23.842	8.96	1.925	0.021	0.004
0.005	0.001	0.007	0.000	3.490	2.590	3.690							
2001	184	23	67	271.705	-612.860	D	2.242	21.881	24.123	10.24	2.154	0.072	0.004
0.005	0.001	0.007	0.000	3.490	2.590	3.690							
2001	185	23	3	271.855	-617.469	D	0.934	21.881	22.815	4.27	0.921	0.006	0.002
0.002	0.000	0.003	0.000	3.490	2.590	3.690							
2001	186	23	9	272.589	-616.522	D	0.156	21.881	22.038	0.71	0.155	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	187	23	3	271.855	-617.469	D	0.291	21.881	22.172	1.33	0.288	0.001	0.000
0.000	0.000	0.001	0.000	3.490	2.590	3.690							
2001	188	23	9	272.589	-616.522	D	1.395	21.881	23.276	6.37	1.376	0.011	0.002
0.002	0.000	0.003	0.000	3.490	2.590	3.690							
2001	189	23	35	273.293	-614.653	D	0.244	21.881	22.125	1.11	0.242	0.001	0.000
0.000	0.000	0.001	0.000	3.490	2.590	3.690							
2001	190	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	191	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	192	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	193	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	194	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	195	23	18	260.302	-615.069	D	0.085	21.881	21.967	0.39	0.083	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	196	23	18	260.302	-615.069	D	1.559	21.881	23.441	7.13	1.506	0.035	0.004
0.006	0.001	0.008	0.000	3.490	2.590	3.690							
2001	197	23	67	271.705	-612.860	D	0.974	21.881	22.855	4.45	0.946	0.017	0.003
0.003	0.000	0.005	0.000	3.490	2.590	3.690							
2001	198	23	79	261.714	-611.334	D	0.108	21.881	21.989	0.49	0.106	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	199	23	3	271.855	-617.469	D	0.140	21.881	22.021	0.64	0.137	0.002	0.000
0.000	0.000	0.001	0.000	3.490	2.590	3.690							
2001	200	23	9	272.589	-616.522	D	1.794	21.881	23.676	8.20	1.754	0.023	0.004
0.005	0.001	0.007	0.000	3.490	2.590	3.690							
2001	201	23	3	271.855	-617.469	D	2.881	21.881	24.763	13.17	2.838	0.020	0.006
0.007	0.001	0.010	0.000	3.490	2.590	3.690							
2001	202	23	9	272.589	-616.522	D	2.400	21.881	24.282	10.97	2.375	0.010	0.004
0.005	0.001	0.007	0.000	3.490	2.590	3.690							

2001	203	23	9	272.589	-616.522	D	2.127	21.881	24.008	9.72	2.065	0.050	0.003
0.004	0.000	0.005	0.000	3.490	2.590	3.690							
2001	204	23	18	260.302	-615.069	D	2.202	21.881	24.084	10.07	2.120	0.066	0.004
0.005	0.001	0.007	0.000	3.490	2.590	3.690							
2001	205	23	18	260.302	-615.069	D	2.330	21.881	24.211	10.65	2.225	0.085	0.005
0.006	0.001	0.008	0.000	3.490	2.590	3.690							
2001	206	23	18	260.302	-615.069	D	4.661	21.881	26.542	21.30	4.435	0.191	0.008
0.010	0.002	0.015	0.000	3.490	2.590	3.690							
2001	207	23	79	261.714	-611.334	D	1.464	21.881	23.346	6.69	1.404	0.051	0.002
0.003	0.000	0.004	0.000	3.490	2.590	3.690							
2001	208	23	35	273.293	-614.653	D	0.495	21.881	22.376	2.26	0.460	0.032	0.001
0.001	0.000	0.001	0.000	3.490	2.590	3.690							
2001	209	23	78	269.383	-612.012	D	0.098	21.881	21.980	0.45	0.096	0.002	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	210	23	80	262.478	-611.310	D	0.032	21.881	21.913	0.15	0.031	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	211	23	34	272.529	-614.678	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	212	23	3	271.855	-617.469	D	1.054	21.881	22.936	4.82	0.982	0.064	0.002
0.003	0.000	0.004	0.000	3.490	2.590	3.690							
2001	213	23	36	260.273	-614.148	D	0.579	21.896	22.475	2.64	0.568	0.007	0.001
0.001	0.000	0.002	0.000	3.510	2.600	3.680							
2001	214	23	79	261.714	-611.334	D	0.057	21.896	21.953	0.26	0.056	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	215	23	67	271.705	-612.860	D	0.315	21.896	22.210	1.44	0.310	0.002	0.000
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2001	216	23	18	260.302	-615.069	D	0.275	21.896	22.170	1.25	0.271	0.002	0.000
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2001	217	23	18	260.302	-615.069	D	0.029	21.896	21.925	0.13	0.029	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	218	23	3	271.855	-617.469	D	0.103	21.896	21.999	0.47	0.101	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	219	23	3	271.855	-617.469	D	2.400	21.896	24.296	10.96	2.300	0.084	0.004
0.005	0.001	0.007	0.000	3.510	2.600	3.680							
2001	220	23	67	271.705	-612.860	D	0.673	21.896	22.569	3.07	0.658	0.011	0.001
0.001	0.000	0.002	0.000	3.510	2.600	3.680							
2001	221	23	67	271.705	-612.860	D	0.071	21.896	21.967	0.32	0.070	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	222	23	67	271.705	-612.860	D	0.053	21.896	21.949	0.24	0.052	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	223	23	80	262.478	-611.310	D	0.057	21.896	21.953	0.26	0.056	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	224	23	9	272.589	-616.522	D	0.052	21.896	21.948	0.24	0.051	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	225	23	3	271.855	-617.469	D	0.033	21.896	21.929	0.15	0.033	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	226	23	3	271.855	-617.469	D	0.030	21.896	21.926	0.14	0.030	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	227	23	3	271.855	-617.469	D	0.268	21.896	22.163	1.22	0.241	0.024	0.001
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2001	228	23	3	271.855	-617.469	D	0.016	21.896	21.912	0.07	0.016	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	229	23	1	270.326	-617.519	D	0.001	21.896	21.897	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	230	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							

2001	231	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	232	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	233	23	3	271.855	-617.469	D	0.392	21.896	22.288	1.79	0.383	0.006	0.001
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2001	234	23	35	273.293	-614.653	D	0.743	21.896	22.639	3.40	0.727	0.011	0.001
0.002	0.000	0.002	0.000	3.510	2.600	3.680							
2001	235	23	9	272.589	-616.522	D	0.220	21.896	22.116	1.01	0.217	0.002	0.000
0.000	0.000	0.001	0.000	3.510	2.600	3.680							
2001	236	23	35	273.293	-614.653	D	1.098	21.896	22.994	5.02	0.976	0.113	0.002
0.003	0.000	0.004	0.000	3.510	2.600	3.680							
2001	237	23	35	273.293	-614.653	D	0.002	21.896	21.897	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	238	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	239	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	240	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	241	23	35	273.293	-614.653	D	0.023	21.896	21.919	0.11	0.021	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	242	23	35	273.293	-614.653	D	0.002	21.896	21.898	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	243	23	35	273.293	-614.653	D	0.672	21.896	22.567	3.07	0.543	0.120	0.002
0.002	0.000	0.003	0.001	3.510	2.600	3.680							
2001	244	23	3	271.855	-617.469	D	1.776	22.067	23.843	8.05	1.487	0.273	0.003
0.004	0.000	0.006	0.002	3.730	2.710	3.820							
2001	245	23	79	261.714	-611.334	D	0.680	22.067	22.747	3.08	0.648	0.027	0.001
0.001	0.000	0.002	0.000	3.730	2.710	3.820							
2001	246	23	18	260.302	-615.069	D	0.556	22.067	22.623	2.52	0.540	0.013	0.001
0.001	0.000	0.001	0.000	3.730	2.710	3.820							
2001	247	23	18	260.302	-615.069	D	0.403	22.067	22.470	1.82	0.397	0.003	0.001
0.001	0.000	0.001	0.000	3.730	2.710	3.820							
2001	248	23	35	273.293	-614.653	D	1.173	22.067	23.240	5.32	1.083	0.082	0.002
0.002	0.000	0.003	0.000	3.730	2.710	3.820							
2001	249	23	35	273.293	-614.653	D	0.084	22.067	22.151	0.38	0.080	0.004	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	250	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	251	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	252	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	253	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	254	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	255	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	256	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	257	23	36	260.273	-614.148	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	258	23	79	261.714	-611.334	D	0.231	22.067	22.298	1.05	0.220	0.009	0.000
0.000	0.000	0.001	0.000	3.730	2.710	3.820							

2001	259	23	18	260.302	-615.069	D	0.931	22.067	22.998	4.22	0.881	0.043	0.002
0.002	0.000	0.003	0.000	3.730	2.710	3.820							
2001	260	23	35	273.293	-614.653	D	0.998	22.067	23.065	4.52	0.930	0.060	0.002
0.003	0.000	0.004	0.000	3.730	2.710	3.820							
2001	261	23	67	271.705	-612.860	D	0.136	22.067	22.204	0.62	0.128	0.008	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	262	23	36	260.273	-614.148	D	0.014	22.067	22.081	0.06	0.013	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	263	23	3	271.855	-617.469	D	0.010	22.067	22.077	0.04	0.009	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	264	23	1	270.326	-617.519	D	0.092	22.067	22.159	0.42	0.078	0.014	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	265	23	3	271.855	-617.469	D	2.068	22.067	24.135	9.37	1.789	0.261	0.004
0.004	0.001	0.006	0.002	3.730	2.710	3.820							
2001	266	23	3	271.855	-617.469	D	1.215	22.067	23.282	5.50	1.106	0.100	0.002
0.002	0.000	0.003	0.000	3.730	2.710	3.820							
2001	267	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	268	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	269	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	270	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	271	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	272	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	273	23	79	261.714	-611.334	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	274	23	18	260.302	-615.069	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	275	23	1	270.326	-617.519	D	1.390	22.056	23.446	6.30	1.283	0.094	0.003
0.004	0.000	0.005	0.000	3.720	2.690	3.760							
2001	276	23	78	269.383	-612.012	D	0.679	22.056	22.736	3.08	0.619	0.054	0.001
0.002	0.000	0.003	0.000	3.720	2.690	3.760							
2001	277	23	36	260.273	-614.148	D	0.039	22.056	22.096	0.18	0.033	0.006	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	278	23	18	260.302	-615.069	D	0.004	22.056	22.061	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	279	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	280	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	281	23	18	260.302	-615.069	D	4.623	22.056	26.679	20.96	2.662	1.829	0.020
0.021	0.004	0.032	0.054	3.720	2.690	3.760							
2001	282	23	20	261.830	-615.022	D	4.364	22.056	26.421	19.79	2.308	1.899	0.019
0.022	0.003	0.032	0.081	3.720	2.690	3.760							
2001	283	23	35	273.293	-614.653	D	0.235	22.056	22.291	1.07	0.157	0.073	0.001
0.001	0.000	0.001	0.002	3.720	2.690	3.760							
2001	284	23	35	273.293	-614.653	D	1.139	22.056	23.195	5.16	0.935	0.196	0.002
0.002	0.000	0.003	0.000	3.720	2.690	3.760							
2001	285	23	35	273.293	-614.653	D	0.370	22.056	22.426	1.68	0.312	0.055	0.001
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2001	286	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							

2001	287	23	18	260.302	-615.069	D	0.700	22.056	22.757	3.17	0.578	0.110	0.003
0.003	0.001	0.005	0.001	3.720	2.690	3.760							
2001	288	23	9	272.589	-616.522	D	0.061	22.056	22.117	0.27	0.049	0.010	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	289	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	290	23	18	260.302	-615.069	D	0.958	22.056	23.014	4.34	0.710	0.228	0.005
0.005	0.000	0.008	0.001	3.720	2.690	3.760							
2001	291	23	67	271.705	-612.860	D	1.117	22.056	23.173	5.06	0.861	0.231	0.006
0.008	0.000	0.011	0.001	3.720	2.690	3.760							
2001	292	23	79	261.714	-611.334	D	0.048	22.056	22.104	0.22	0.034	0.013	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	293	23	35	273.293	-614.653	D	0.938	22.056	22.994	4.25	0.609	0.315	0.003
0.004	0.000	0.005	0.001	3.720	2.690	3.760							
2001	294	23	35	273.293	-614.653	D	1.194	22.056	23.250	5.41	0.988	0.181	0.005
0.006	0.000	0.009	0.003	3.720	2.690	3.760							
2001	295	23	35	273.293	-614.653	D	0.006	22.056	22.062	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	296	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	297	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	298	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	299	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	300	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	301	23	36	260.273	-614.148	D	0.012	22.056	22.068	0.05	0.009	0.003	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	302	23	36	260.273	-614.148	D	0.006	22.056	22.062	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	303	23	9	272.589	-616.522	D	2.290	22.056	24.347	10.38	1.230	1.020	0.008
0.011	0.002	0.016	0.005	3.720	2.690	3.760							
2001	304	23	18	260.302	-615.069	D	0.000	22.056	22.057	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	305	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	306	23	3	271.855	-617.469	D	1.027	22.027	23.054	4.66	0.791	0.224	0.003
0.003	0.000	0.005	0.001	3.680	2.670	3.770							
2001	307	23	1	270.326	-617.519	D	0.440	22.027	22.467	2.00	0.349	0.087	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2001	308	23	18	260.302	-615.069	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	309	23	18	260.302	-615.069	D	0.024	22.027	22.051	0.11	0.022	0.002	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	310	23	18	260.302	-615.069	D	0.147	22.027	22.174	0.67	0.130	0.016	0.000
0.000	0.000	0.001	0.000	3.680	2.670	3.770							
2001	311	23	3	271.855	-617.469	D	1.727	22.027	23.754	7.84	1.369	0.339	0.004
0.005	0.000	0.008	0.000	3.680	2.670	3.770							
2001	312	23	18	260.302	-615.069	D	1.095	22.027	23.122	4.97	0.909	0.177	0.002
0.003	0.000	0.004	0.000	3.680	2.670	3.770							
2001	313	23	3	271.855	-617.469	D	0.674	22.027	22.702	3.06	0.601	0.069	0.001
0.002	0.000	0.002	0.000	3.680	2.670	3.770							
2001	314	23	3	271.855	-617.469	D	0.253	22.027	22.281	1.15	0.232	0.020	0.000
0.001	0.000	0.001	0.000	3.680	2.670	3.770							

2001	315	23	36	260.273	-614.148	D	0.836	22.027	22.863	3.80	0.732	0.098	0.001
0.002	0.000	0.002	0.000	3.680	2.670	3.770							
2001	316	23	18	260.302	-615.069	D	0.661	22.027	22.688	3.00	0.593	0.063	0.001
0.001	0.000	0.002	0.000	3.680	2.670	3.770							
2001	317	23	19	261.066	-615.046	D	3.689	22.027	25.716	16.75	2.001	1.619	0.012
0.015	0.002	0.022	0.017	3.680	2.670	3.770							
2001	318	23	79	261.714	-611.334	D	0.012	22.027	22.039	0.06	0.011	0.001	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	319	23	18	260.302	-615.069	D	0.001	22.027	22.028	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	320	23	18	260.302	-615.069	D	0.001	22.027	22.028	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	321	23	3	271.855	-617.469	D	1.435	22.027	23.462	6.51	1.132	0.287	0.004
0.005	0.001	0.007	0.000	3.680	2.670	3.770							
2001	322	23	35	273.293	-614.653	D	0.286	22.027	22.313	1.30	0.242	0.041	0.001
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2001	323	23	1	270.326	-617.519	D	0.001	22.027	22.028	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	324	23	18	260.302	-615.069	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	325	23	9	272.589	-616.522	D	1.196	22.027	23.223	5.43	0.666	0.509	0.005
0.006	0.001	0.008	0.001	3.680	2.670	3.770							
2001	326	23	18	260.302	-615.069	D	1.076	22.027	23.103	4.88	0.710	0.343	0.005
0.006	0.000	0.008	0.003	3.680	2.670	3.770							
2001	327	23	53	261.008	-613.202	D	0.001	22.027	22.028	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	328	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	329	23	18	260.302	-615.069	D	1.813	22.027	23.840	8.23	0.807	0.943	0.009
0.012	0.001	0.016	0.024	3.680	2.670	3.770							
2001	330	23	67	271.705	-612.860	D	0.020	22.027	22.047	0.09	0.014	0.006	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	331	23	35	273.293	-614.653	D	0.075	22.027	22.102	0.34	0.052	0.022	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	332	23	35	273.293	-614.653	D	0.182	22.027	22.209	0.83	0.129	0.052	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	333	23	35	273.293	-614.653	D	0.015	22.027	22.042	0.07	0.011	0.004	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	334	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	335	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	336	23	3	271.855	-617.469	D	0.973	22.185	23.158	4.38	0.724	0.235	0.003
0.004	0.001	0.006	0.001	3.880	2.790	3.930							
2001	337	23	18	260.302	-615.069	D	3.618	22.185	25.803	16.31	2.719	0.848	0.012
0.015	0.001	0.021	0.003	3.880	2.790	3.930							
2001	338	23	35	273.293	-614.653	D	2.116	22.185	24.301	9.54	1.331	0.753	0.007
0.009	0.000	0.013	0.003	3.880	2.790	3.930							
2001	339	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	340	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	341	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	342	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							

2001	343	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	344	23	16	270.266	-615.675	D	0.059	22.185	22.244	0.27	0.026	0.032	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	345	23	52	272.499	-613.757	D	2.379	22.185	24.564	10.72	1.269	1.057	0.007
0.011	0.001	0.015	0.019	3.880	2.790	3.930							
2001	346	23	79	261.714	-611.334	D	1.193	22.185	23.378	5.38	0.775	0.411	0.002
0.002	0.000	0.003	0.000	3.880	2.790	3.930							
2001	347	23	18	260.302	-615.069	D	3.567	22.185	25.751	16.08	2.494	1.055	0.004
0.005	0.000	0.008	0.000	3.880	2.790	3.930							
2001	348	23	17	271.030	-615.650	D	2.519	22.185	24.704	11.35	1.570	0.922	0.005
0.006	0.001	0.008	0.007	3.880	2.790	3.930							
2001	349	23	18	260.302	-615.069	D	4.568	22.185	26.753	20.59	3.342	1.152	0.011
0.013	0.001	0.019	0.031	3.880	2.790	3.930							
2001	350	23	3	271.855	-617.469	D	2.306	22.185	24.490	10.39	1.808	0.473	0.004
0.005	0.000	0.008	0.008	3.880	2.790	3.930							
2001	351	23	3	271.855	-617.469	D	0.002	22.185	22.186	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	352	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	353	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	354	23	3	271.855	-617.469	D	0.580	22.185	22.765	2.61	0.372	0.199	0.002
0.002	0.000	0.004	0.000	3.880	2.790	3.930							
2001	355	23	18	260.302	-615.069	D	2.668	22.185	24.853	12.03	1.184	1.439	0.009
0.011	0.000	0.016	0.008	3.880	2.790	3.930							
2001	356	23	35	273.293	-614.653	D	0.004	22.185	22.189	0.02	0.003	0.002	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	357	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	358	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	359	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	360	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	361	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	362	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	363	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	364	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species											
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)		
2001	43	23	7	271.060	-616.572	D	8.846	21.835	30.681	40.51	6.165	2.583 0.015
0.021	0.003	0.029	0.030	3.440	2.530	3.520	1					
2001	206	23	18	260.302	-615.069	D	4.661	21.881	26.542	21.30	4.435	0.191 0.008
0.010	0.002	0.015	0.000	3.490	2.590	3.690	2					
2001	281	23	18	260.302	-615.069	D	4.623	22.056	26.679	20.96	2.662	1.829 0.020

--- Number of days with Extinction Change => 5.0 % : 57

--- Number of days with Extinction Change => 10.0 % : 23

--- Largest Extinction Change = 40.51 %

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

1 270.326 -617.519 D 0.458 21.956 22.414 2.09

--- Number of recs with Extinction Change > 1.0 % : 80

--- Largest Extinction Change = 2.09 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME	% of Modeled Extinction by Species																				
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2000	366	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.880	2.790	3.930			
2001	1	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900			
2001	2	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900			
2001	3	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900			
2001	4	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	3.850	2.770	3.900			

2001	5	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	6	23	9	272.589	-616.522	D	8.174	7.957	0.217	51.40	47.41	0.32	0.33	0.01	
0.50	0.03	3.850	2.770	3.900											
2001	7	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	8	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	9	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	10	23	18	260.302	-615.069	D	7.961	7.957	0.004	64.74	34.53	0.15	0.22	0.02	
0.30	0.04	3.850	2.770	3.900											
2001	11	23	18	260.302	-615.069	D	8.614	7.957	0.657	68.04	31.43	0.13	0.15	0.01	
0.23	0.01	3.850	2.770	3.900											
2001	12	23	19	261.066	-615.046	D	9.112	7.957	1.155	63.79	34.68	0.22	0.25	0.03	
0.37	0.65	3.850	2.770	3.900											
2001	13	23	35	273.293	-614.653	D	8.977	7.957	1.020	64.06	35.12	0.15	0.20	0.01	
0.28	0.18	3.850	2.770	3.900											
2001	14	23	9	272.589	-616.522	D	7.958	7.957	0.000	76.46	23.06	0.08	0.09	0.00	
0.15	0.00	3.850	2.770	3.900											
2001	15	23	1	270.326	-617.519	D	7.958	7.957	0.001	78.53	21.18	0.11	0.07	0.00	
0.12	0.00	3.850	2.770	3.900											
2001	16	23	18	260.302	-615.069	D	7.958	7.957	0.000	75.17	24.58	0.09	0.05	0.00	
0.10	0.00	3.850	2.770	3.900											
2001	17	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	18	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	19	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	20	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	21	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	22	23	3	271.855	-617.469	D	7.963	7.957	0.006	57.84	41.21	0.20	0.30	0.03	
0.42	0.00	3.850	2.770	3.900											
2001	23	23	3	271.855	-617.469	D	7.969	7.957	0.011	65.96	33.08	0.20	0.32	0.01	
0.44	0.00	3.850	2.770	3.900											
2001	24	23	1	270.326	-617.519	D	7.957	7.957	0.000	76.74	21.44	0.32	0.49	0.01	
0.62	0.00	3.850	2.770	3.900											
2001	25	23	3	271.855	-617.469	D	8.690	7.957	0.732	58.47	39.96	0.31	0.39	0.03	
0.56	0.28	3.850	2.770	3.900											
2001	26	23	9	272.589	-616.522	D	7.981	7.957	0.024	79.28	19.78	0.20	0.31	0.01	
0.43	0.00	3.850	2.770	3.900											
2001	27	23	18	260.302	-615.069	D	8.442	7.957	0.484	72.69	26.71	0.16	0.17	0.01	
0.26	0.00	3.850	2.770	3.900											
2001	28	23	35	273.293	-614.653	D	9.518	7.957	1.561	64.76	33.63	0.25	0.30	0.02	
0.44	0.60	3.850	2.770	3.900											
2001	29	23	35	273.293	-614.653	D	7.962	7.957	0.004	81.93	17.63	0.11	0.13	0.00	
0.19	0.00	3.850	2.770	3.900											
2001	30	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	31	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900											
2001	32	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											

2001	33	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	34	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	35	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	36	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	37	23	9	272.589	-616.522	D	7.843	7.809	0.034	54.13	44.86	0.26	0.30	0.02	0.43
0.00	0.00	3.440	2.530	3.520											
2001	38	23	35	273.293	-614.653	D	7.834	7.809	0.024	71.42	27.72	0.21	0.27	0.01	0.38
0.00	0.00	3.440	2.530	3.520											
2001	39	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	40	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	41	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	42	23	3	271.855	-617.469	D	8.251	7.809	0.442	62.88	35.84	0.22	0.32	0.02	0.45
0.26	0.26	3.440	2.530	3.520											
2001	43	23	7	271.060	-616.572	D	11.211	7.809	3.401	69.70	29.20	0.17	0.23	0.03	0.33
0.34	0.34	3.440	2.530	3.520											
2001	44	23	35	273.293	-614.653	D	9.248	7.809	1.439	70.10	28.98	0.18	0.23	0.01	0.33
0.18	0.18	3.440	2.530	3.520											
2001	45	23	67	271.705	-612.860	D	8.749	7.809	0.940	71.24	28.24	0.13	0.15	0.00	0.22
0.01	0.01	3.440	2.530	3.520											
2001	46	23	3	271.855	-617.469	D	8.272	7.809	0.463	72.73	26.82	0.12	0.13	0.00	0.19
0.01	0.01	3.440	2.530	3.520											
2001	47	23	3	271.855	-617.469	D	7.810	7.809	0.000	80.81	18.64	0.12	0.15	0.00	0.22
0.00	0.00	3.440	2.530	3.520											
2001	48	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	49	23	9	272.589	-616.522	D	8.302	7.809	0.493	44.73	53.25	0.36	0.53	0.05	0.74
0.35	0.35	3.440	2.530	3.520											
2001	50	23	79	261.714	-611.334	D	7.842	7.809	0.032	71.50	27.56	0.23	0.29	0.00	0.42
0.00	0.00	3.440	2.530	3.520											
2001	51	23	3	271.855	-617.469	D	8.413	7.809	0.604	69.38	29.57	0.21	0.29	0.01	0.41
0.13	0.13	3.440	2.530	3.520											
2001	52	23	3	271.855	-617.469	D	8.374	7.809	0.565	71.94	27.16	0.21	0.25	0.00	0.36
0.09	0.09	3.440	2.530	3.520											
2001	53	23	18	260.302	-615.069	D	7.837	7.809	0.028	76.79	22.25	0.19	0.33	0.00	0.44
0.00	0.00	3.440	2.530	3.520											
2001	54	23	18	260.302	-615.069	D	8.218	7.809	0.409	55.07	42.20	0.40	0.49	0.03	0.72
1.09	1.09	3.440	2.530	3.520											
2001	55	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	56	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520											
2001	57	23	18	260.302	-615.069	D	7.848	7.809	0.039	63.31	35.02	0.30	0.37	0.02	0.54
0.44	0.44	3.440	2.530	3.520											
2001	58	23	3	271.855	-617.469	D	7.825	7.809	0.016	76.90	22.32	0.19	0.24	0.00	0.35
0.00	0.00	3.440	2.530	3.520											
2001	59	23	3	271.855	-617.469	D	7.842	7.809	0.033	81.92	17.44	0.15	0.17	0.01	0.25
0.06	0.06	3.440	2.530	3.520											
2001	60	23	3	271.855	-617.469	D	7.799	7.701	0.098	80.78	18.58	0.15	0.19	0.01	0.27
0.02	0.02	3.140	2.370	3.310											

2001	61	23	3	271.855	-617.469	D	7.774	7.701	0.073	81.11	18.34	0.14	0.16	0.00
0.23	0.02	3.140	2.370	3.310										
2001	62	23	3	271.855	-617.469	D	7.720	7.701	0.019	78.96	20.53	0.13	0.15	0.00
0.22	0.01	3.140	2.370	3.310										
2001	63	23	1	270.326	-617.519	D	7.701	7.701	0.000	92.25	7.00	0.00	0.15	0.00
0.22	0.00	3.140	2.370	3.310										
2001	64	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	65	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	66	23	3	271.855	-617.469	D	7.732	7.701	0.031	82.14	16.62	0.30	0.37	0.04
0.53	0.00	3.140	2.370	3.310										
2001	67	23	3	271.855	-617.469	D	7.725	7.701	0.024	78.49	20.48	0.26	0.31	0.01
0.45	0.00	3.140	2.370	3.310										
2001	68	23	18	260.302	-615.069	D	7.701	7.701	0.000	90.83	8.44	0.00	0.20	0.01
0.30	0.00	3.140	2.370	3.310										
2001	69	23	9	272.589	-616.522	D	8.303	7.701	0.602	57.82	40.22	0.44	0.60	0.03
0.85	0.04	3.140	2.370	3.310										
2001	70	23	18	260.302	-615.069	D	7.953	7.701	0.252	57.83	39.05	0.38	0.48	0.10
0.69	1.48	3.140	2.370	3.310										
2001	71	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	72	23	3	271.855	-617.469	D	7.721	7.701	0.020	67.99	31.00	0.24	0.30	0.02
0.44	0.00	3.140	2.370	3.310										
2001	73	23	9	272.589	-616.522	D	8.031	7.701	0.330	49.64	48.15	0.32	0.42	0.02
0.60	0.85	3.140	2.370	3.310										
2001	74	23	78	269.383	-612.012	D	7.712	7.701	0.011	79.57	19.84	0.15	0.17	0.00
0.26	0.00	3.140	2.370	3.310										
2001	75	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	76	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	77	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	78	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	79	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	80	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	81	23	35	273.293	-614.653	D	7.748	7.701	0.047	80.14	18.47	0.31	0.44	0.02
0.62	0.00	3.140	2.370	3.310										
2001	82	23	35	273.293	-614.653	D	8.152	7.701	0.451	77.76	21.15	0.26	0.34	0.01
0.48	0.00	3.140	2.370	3.310										
2001	83	23	3	271.855	-617.469	D	7.701	7.701	0.000	81.71	17.54	0.12	0.23	0.01
0.32	0.00	3.140	2.370	3.310										
2001	84	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	85	23	18	260.302	-615.069	D	7.703	7.701	0.002	83.14	16.03	0.17	0.29	0.00
0.39	0.00	3.140	2.370	3.310										
2001	86	23	36	260.273	-614.148	D	7.720	7.701	0.019	81.26	18.09	0.15	0.20	0.00
0.29	0.00	3.140	2.370	3.310										
2001	87	23	18	260.302	-615.069	D	7.790	7.701	0.089	79.64	19.77	0.15	0.18	0.01
0.26	0.00	3.140	2.370	3.310										
2001	88	23	18	260.302	-615.069	D	7.760	7.701	0.059	84.40	15.03	0.15	0.17	0.01
0.25	0.00	3.140	2.370	3.310										

2001	89	23	18	260.302	-615.069	D	7.862	7.701	0.161	86.96	12.46	0.15	0.18	0.01
0.26	0.00	3.140	2.370	3.310										
2001	90	23	1	270.326	-617.519	D	7.778	7.701	0.077	92.63	6.76	0.15	0.19	0.00
0.27	0.00	3.140	2.370	3.310										
2001	91	23	35	273.293	-614.653	D	8.140	7.738	0.402	93.48	6.00	0.13	0.16	0.00
0.23	0.00	3.240	2.430	3.410										
2001	92	23	67	271.705	-612.860	D	7.797	7.738	0.059	89.83	9.70	0.12	0.14	0.00
0.21	0.00	3.240	2.430	3.410										
2001	93	23	67	271.705	-612.860	D	7.753	7.738	0.015	89.34	10.22	0.13	0.12	0.00
0.19	0.00	3.240	2.430	3.410										
2001	94	23	35	273.293	-614.653	D	7.753	7.738	0.015	67.66	30.51	0.29	0.56	0.01
0.75	0.21	3.240	2.430	3.410										
2001	95	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	96	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	97	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	98	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	99	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	100	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	101	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	102	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	103	23	3	271.855	-617.469	D	7.967	7.738	0.229	62.57	36.47	0.21	0.19	0.06
0.30	0.20	3.240	2.430	3.410										
2001	104	23	35	273.293	-614.653	D	7.961	7.738	0.223	66.81	32.42	0.20	0.19	0.02
0.30	0.06	3.240	2.430	3.410										
2001	105	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	108	23	3	271.855	-617.469	D	7.802	7.738	0.064	62.78	35.84	0.35	0.41	0.01
0.60	0.00	3.240	2.430	3.410										
2001	109	23	79	261.714	-611.334	D	7.748	7.738	0.010	82.15	17.08	0.19	0.24	0.01
0.34	0.00	3.240	2.430	3.410										
2001	110	23	79	261.714	-611.334	D	7.743	7.738	0.005	91.56	7.91	0.16	0.14	0.00
0.22	0.00	3.240	2.430	3.410										
2001	111	23	18	260.302	-615.069	D	7.738	7.738	0.000	96.41	3.02	0.13	0.20	0.00
0.29	0.00	3.240	2.430	3.410										
2001	112	23	79	261.714	-611.334	D	7.738	7.738	0.000	94.59	4.58	0.07	0.38	0.00
0.47	0.00	3.240	2.430	3.410										
2001	113	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	114	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	115	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	116	23	18	260.302	-615.069	D	7.741	7.738	0.003	95.59	3.09	0.27	0.40	0.07
0.56	0.00	3.240	2.430	3.410										

2001	117	23	18	260.302	-615.069	D	7.763	7.738	0.025	94.26	4.60	0.24	0.36	0.04
0.50	0.00	3.240	2.430	3.410										
2001	118	23	18	260.302	-615.069	D	8.102	7.738	0.364	90.22	8.67	0.27	0.33	0.05
0.47	0.00	3.240	2.430	3.410										
2001	119	23	18	260.302	-615.069	D	8.260	7.738	0.522	77.65	20.99	0.33	0.40	0.04
0.58	0.01	3.240	2.430	3.410										
2001	120	23	18	260.302	-615.069	D	7.978	7.738	0.240	89.01	9.17	0.45	0.55	0.02
0.80	0.00	3.240	2.430	3.410										
2001	121	23	35	273.293	-614.653	D	7.899	7.892	0.007	92.66	5.62	0.36	0.56	0.02
0.78	0.00	3.660	2.680	3.830										
2001	122	23	35	273.293	-614.653	D	7.917	7.892	0.025	67.22	29.38	0.48	0.86	0.13
1.15	0.78	3.660	2.680	3.830										
2001	123	23	35	273.293	-614.653	D	8.204	7.892	0.313	78.37	18.84	0.49	0.65	0.11
0.92	0.63	3.660	2.680	3.830										
2001	124	23	35	273.293	-614.653	D	7.944	7.892	0.053	76.58	20.14	0.67	0.86	0.05
1.23	0.47	3.660	2.680	3.830										
2001	125	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	126	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	127	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	128	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	129	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	130	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	131	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	132	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	133	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	134	23	3	271.855	-617.469	D	8.041	7.892	0.149	91.06	8.25	0.17	0.21	0.02
0.30	0.00	3.660	2.680	3.830										
2001	135	23	3	271.855	-617.469	D	8.145	7.892	0.253	97.35	2.14	0.13	0.15	0.01
0.22	0.00	3.660	2.680	3.830										
2001	136	23	35	273.293	-614.653	D	7.988	7.892	0.097	97.91	1.63	0.12	0.13	0.00
0.20	0.00	3.660	2.680	3.830										
2001	137	23	35	273.293	-614.653	D	7.892	7.892	0.000	98.99	0.41	0.11	0.18	0.01
0.24	0.00	3.660	2.680	3.830										
2001	138	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	139	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	140	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	141	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	142	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	143	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	144	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										

2001	145	23	1	270.326	-617.519	D	7.892	7.892	0.000	99.28	0.24	0.00	0.21	0.00
0.30	0.00	3.660	2.680	3.830										
2001	146	23	3	271.855	-617.469	D	7.920	7.892	0.028	96.86	2.55	0.15	0.18	0.01
0.26	0.00	3.660	2.680	3.830										
2001	147	23	9	272.589	-616.522	D	7.925	7.892	0.033	93.32	6.24	0.11	0.13	0.01
0.19	0.00	3.660	2.680	3.830										
2001	148	23	9	272.589	-616.522	D	7.932	7.892	0.040	94.99	4.40	0.13	0.19	0.01
0.27	0.00	3.660	2.680	3.830										
2001	149	23	35	273.293	-614.653	D	8.044	7.892	0.153	84.79	14.11	0.23	0.30	0.02
0.43	0.12	3.660	2.680	3.830										
2001	150	23	52	272.499	-613.757	D	7.892	7.892	0.001	96.18	3.31	0.08	0.15	0.00
0.20	0.00	3.660	2.680	3.830										
2001	151	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830										
2001	152	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	153	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	154	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	155	23	35	273.293	-614.653	D	8.623	7.910	0.713	83.05	14.20	0.45	0.57	0.06
0.82	0.84	3.710	2.710	3.880										
2001	156	23	18	260.302	-615.069	D	8.005	7.910	0.096	91.88	5.42	0.48	0.58	0.06
0.85	0.73	3.710	2.710	3.880										
2001	157	23	80	262.478	-611.310	D	7.914	7.910	0.005	98.27	1.07	0.16	0.20	0.02
0.29	0.00	3.710	2.710	3.880										
2001	158	23	79	261.714	-611.334	D	7.948	7.910	0.038	96.78	2.60	0.16	0.19	0.01
0.27	0.00	3.710	2.710	3.880										
2001	159	23	18	260.302	-615.069	D	7.917	7.910	0.007	98.29	1.14	0.14	0.18	0.00
0.25	0.00	3.710	2.710	3.880										
2001	160	23	36	260.273	-614.148	D	7.911	7.910	0.001	98.86	0.64	0.14	0.15	0.01
0.22	0.00	3.710	2.710	3.880										
2001	161	23	79	261.714	-611.334	D	7.911	7.910	0.001	98.62	0.86	0.12	0.17	0.00
0.24	0.00	3.710	2.710	3.880										
2001	162	23	1	270.326	-617.519	D	7.955	7.910	0.045	96.68	1.92	0.37	0.38	0.08
0.57	0.00	3.710	2.710	3.880										
2001	163	23	35	273.293	-614.653	D	8.691	7.910	0.781	95.06	3.90	0.25	0.31	0.02
0.45	0.00	3.710	2.710	3.880										
2001	164	23	67	271.705	-612.860	D	7.925	7.910	0.016	98.67	0.81	0.13	0.16	0.00
0.23	0.00	3.710	2.710	3.880										
2001	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	166	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	167	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	168	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	169	23	18	260.302	-615.069	D	7.967	7.910	0.057	94.41	4.18	0.37	0.38	0.09
0.57	0.00	3.710	2.710	3.880										
2001	170	23	18	260.302	-615.069	D	8.119	7.910	0.209	97.07	1.86	0.33	0.27	0.04
0.43	0.00	3.710	2.710	3.880										
2001	171	23	36	260.273	-614.148	D	8.235	7.910	0.325	96.82	2.41	0.18	0.23	0.04
0.32	0.00	3.710	2.710	3.880										
2001	172	23	3	271.855	-617.469	D	7.984	7.910	0.074	93.64	5.76	0.14	0.18	0.01
0.26	0.00	3.710	2.710	3.880										

2001	173	23	36	260.273	-614.148	D	7.928	7.910	0.019	98.58	0.99	0.11	0.13	0.00
0.19	0.00	3.710	2.710	3.880										
2001	174	23	36	260.273	-614.148	D	7.921	7.910	0.011	98.47	1.12	0.10	0.12	0.00
0.18	0.00	3.710	2.710	3.880										
2001	175	23	18	260.302	-615.069	D	8.032	7.910	0.122	95.65	3.20	0.26	0.34	0.07
0.48	0.00	3.710	2.710	3.880										
2001	176	23	18	260.302	-615.069	D	8.755	7.910	0.845	94.66	4.29	0.25	0.30	0.07
0.44	0.00	3.710	2.710	3.880										
2001	177	23	35	273.293	-614.653	D	8.628	7.910	0.718	94.66	4.37	0.23	0.29	0.04
0.41	0.00	3.710	2.710	3.880										
2001	178	23	67	271.705	-612.860	D	8.112	7.910	0.202	96.30	3.03	0.16	0.20	0.02
0.29	0.00	3.710	2.710	3.880										
2001	179	23	35	273.293	-614.653	D	7.972	7.910	0.062	96.33	3.26	0.10	0.12	0.01
0.18	0.00	3.710	2.710	3.880										
2001	180	23	67	271.705	-612.860	D	7.930	7.910	0.021	96.94	2.67	0.10	0.12	0.00
0.17	0.00	3.710	2.710	3.880										
2001	181	23	3	271.855	-617.469	D	7.933	7.910	0.024	97.86	1.63	0.12	0.15	0.02
0.22	0.00	3.710	2.710	3.880										
2001	182	23	9	272.589	-616.522	D	8.618	7.830	0.787	92.60	6.42	0.23	0.29	0.04
0.42	0.00	3.490	2.590	3.690										
2001	183	23	18	260.302	-615.069	D	8.689	7.830	0.858	98.16	1.05	0.19	0.23	0.03
0.34	0.00	3.490	2.590	3.690										
2001	184	23	67	271.705	-612.860	D	8.806	7.830	0.975	96.09	3.22	0.17	0.20	0.02
0.30	0.00	3.490	2.590	3.690										
2001	185	23	3	271.855	-617.469	D	8.248	7.830	0.418	98.70	0.63	0.17	0.20	0.01
0.29	0.00	3.490	2.590	3.690										
2001	186	23	9	272.589	-616.522	D	7.902	7.830	0.071	98.95	0.42	0.15	0.19	0.01
0.27	0.00	3.490	2.590	3.690										
2001	187	23	3	271.855	-617.469	D	7.963	7.830	0.132	99.08	0.36	0.13	0.17	0.01
0.24	0.00	3.490	2.590	3.690										
2001	188	23	9	272.589	-616.522	D	8.448	7.830	0.618	98.63	0.81	0.14	0.17	0.01
0.24	0.00	3.490	2.590	3.690										
2001	189	23	35	273.293	-614.653	D	7.941	7.830	0.111	99.14	0.35	0.13	0.15	0.01
0.22	0.00	3.490	2.590	3.690										
2001	190	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	191	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	192	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	193	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	194	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	195	23	18	260.302	-615.069	D	7.869	7.830	0.039	97.55	1.53	0.22	0.28	0.02
0.40	0.00	3.490	2.590	3.690										
2001	196	23	18	260.302	-615.069	D	8.519	7.830	0.688	96.61	2.21	0.28	0.36	0.03
0.51	0.00	3.490	2.590	3.690										
2001	197	23	67	271.705	-612.860	D	8.266	7.830	0.435	97.12	1.74	0.27	0.35	0.02
0.50	0.00	3.490	2.590	3.690										
2001	198	23	79	261.714	-611.334	D	7.880	7.830	0.049	98.24	1.25	0.12	0.15	0.01
0.22	0.00	3.490	2.590	3.690										
2001	199	23	3	271.855	-617.469	D	7.894	7.830	0.064	97.74	1.26	0.23	0.28	0.08
0.41	0.00	3.490	2.590	3.690										
2001	200	23	9	272.589	-616.522	D	8.619	7.830	0.788	97.73	1.30	0.23	0.28	0.04
0.41	0.00	3.490	2.590	3.690										

2001	201	23	3	271.855	-617.469	D	9.068	7.830	1.237	98.47	0.71	0.19	0.24	0.04
0.35	0.00	3.490	2.590	3.690										
2001	202	23	9	272.589	-616.522	D	8.871	7.830	1.041	98.93	0.40	0.16	0.20	0.02
0.29	0.00	3.490	2.590	3.690										
2001	203	23	9	272.589	-616.522	D	8.758	7.830	0.928	97.06	2.37	0.14	0.17	0.01
0.25	0.00	3.490	2.590	3.690										
2001	204	23	18	260.302	-615.069	D	8.790	7.830	0.959	96.25	2.99	0.19	0.22	0.03
0.32	0.00	3.490	2.590	3.690										
2001	205	23	18	260.302	-615.069	D	8.842	7.830	1.012	95.51	3.64	0.20	0.25	0.04
0.36	0.00	3.490	2.590	3.690										
2001	206	23	18	260.302	-615.069	D	9.762	7.830	1.931	95.16	4.09	0.18	0.22	0.03
0.32	0.00	3.490	2.590	3.690										
2001	207	23	79	261.714	-611.334	D	8.478	7.830	0.648	95.86	3.50	0.15	0.19	0.02
0.27	0.00	3.490	2.590	3.690										
2001	208	23	35	273.293	-614.653	D	8.054	7.830	0.224	92.85	6.56	0.14	0.18	0.01
0.26	0.00	3.490	2.590	3.690										
2001	209	23	78	269.383	-612.012	D	7.875	7.830	0.045	97.66	1.90	0.11	0.13	0.01
0.19	0.00	3.490	2.590	3.690										
2001	210	23	80	262.478	-611.310	D	7.845	7.830	0.015	98.89	0.73	0.10	0.12	0.01
0.17	0.00	3.490	2.590	3.690										
2001	211	23	34	272.529	-614.678	D	7.831	7.830	0.000	99.00	0.25	0.00	0.03	0.00
0.07	0.00	3.490	2.590	3.690										
2001	212	23	3	271.855	-617.469	D	8.301	7.830	0.471	93.11	6.10	0.17	0.26	0.02
0.35	0.00	3.490	2.590	3.690										
2001	213	23	36	260.273	-614.148	D	8.098	7.837	0.261	98.15	1.17	0.16	0.22	0.01
0.30	0.00	3.510	2.600	3.680										
2001	214	23	79	261.714	-611.334	D	7.863	7.837	0.026	98.70	0.65	0.14	0.21	0.01
0.29	0.00	3.510	2.600	3.680										
2001	215	23	67	271.705	-612.860	D	7.980	7.837	0.143	98.62	0.78	0.13	0.19	0.01
0.27	0.00	3.510	2.600	3.680										
2001	216	23	18	260.302	-615.069	D	7.962	7.837	0.125	98.64	0.79	0.12	0.19	0.00
0.26	0.00	3.510	2.600	3.680										
2001	217	23	18	260.302	-615.069	D	7.850	7.837	0.013	99.05	0.37	0.12	0.19	0.00
0.26	0.00	3.510	2.600	3.680										
2001	218	23	3	271.855	-617.469	D	7.884	7.837	0.047	98.47	0.91	0.14	0.19	0.03
0.27	0.00	3.510	2.600	3.680										
2001	219	23	3	271.855	-617.469	D	8.877	7.837	1.040	95.86	3.49	0.16	0.19	0.03
0.28	0.00	3.510	2.600	3.680										
2001	220	23	67	271.705	-612.860	D	8.140	7.837	0.303	97.81	1.63	0.14	0.17	0.01
0.24	0.00	3.510	2.600	3.680										
2001	221	23	67	271.705	-612.860	D	7.869	7.837	0.032	98.88	0.64	0.12	0.14	0.00
0.21	0.00	3.510	2.600	3.680										
2001	222	23	67	271.705	-612.860	D	7.861	7.837	0.024	97.62	1.93	0.11	0.14	0.00
0.20	0.00	3.510	2.600	3.680										
2001	223	23	80	262.478	-611.310	D	7.863	7.837	0.026	98.42	1.12	0.11	0.14	0.00
0.20	0.00	3.510	2.600	3.680										
2001	224	23	9	272.589	-616.522	D	7.861	7.837	0.024	98.69	0.86	0.11	0.14	0.00
0.20	0.00	3.510	2.600	3.680										
2001	225	23	3	271.855	-617.469	D	7.852	7.837	0.015	99.03	0.53	0.11	0.13	0.00
0.19	0.00	3.510	2.600	3.680										
2001	226	23	3	271.855	-617.469	D	7.851	7.837	0.014	99.08	0.47	0.11	0.14	0.01
0.20	0.00	3.510	2.600	3.680										
2001	227	23	3	271.855	-617.469	D	7.959	7.837	0.122	90.12	8.97	0.23	0.26	0.03
0.38	0.00	3.510	2.600	3.680										
2001	228	23	3	271.855	-617.469	D	7.844	7.837	0.007	98.85	0.59	0.14	0.17	0.01
0.24	0.00	3.510	2.600	3.680										

2001	229	23	1	270.326	-617.519	D	7.837	7.837	0.000	98.72	0.78	0.06	0.16	0.00
0.22	0.00	3.510	2.600	3.680										
2001	230	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2001	231	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2001	232	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2001	233	23	3	271.855	-617.469	D	8.014	7.837	0.177	97.82	1.48	0.16	0.21	0.03
0.30	0.00	3.510	2.600	3.680										
2001	234	23	35	273.293	-614.653	D	8.171	7.837	0.334	97.81	1.50	0.17	0.21	0.02
0.30	0.00	3.510	2.600	3.680										
2001	235	23	9	272.589	-616.522	D	7.937	7.837	0.100	98.29	0.93	0.19	0.22	0.05
0.32	0.00	3.510	2.600	3.680										
2001	236	23	35	273.293	-614.653	D	8.326	7.837	0.489	88.87	10.31	0.20	0.24	0.03
0.35	0.00	3.510	2.600	3.680										
2001	237	23	35	273.293	-614.653	D	7.838	7.837	0.001	96.87	2.10	0.29	0.28	0.03
0.43	0.00	3.510	2.600	3.680										
2001	238	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2001	239	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2001	240	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680										
2001	241	23	35	273.293	-614.653	D	7.848	7.837	0.011	90.22	6.19	0.41	1.16	0.13
1.46	0.42	3.510	2.600	3.680										
2001	242	23	35	273.293	-614.653	D	7.838	7.837	0.001	76.90	19.62	0.35	1.06	0.07
1.34	0.70	3.510	2.600	3.680										
2001	243	23	35	273.293	-614.653	D	8.139	7.837	0.302	80.91	17.92	0.24	0.29	0.03
0.42	0.19	3.510	2.600	3.680										
2001	244	23	3	271.855	-617.469	D	8.689	7.915	0.774	83.76	15.36	0.20	0.23	0.02
0.34	0.10	3.730	2.710	3.820										
2001	245	23	79	261.714	-611.334	D	8.219	7.915	0.303	95.36	4.00	0.15	0.19	0.01
0.27	0.01	3.730	2.710	3.820										
2001	246	23	18	260.302	-615.069	D	8.164	7.915	0.249	97.11	2.30	0.14	0.18	0.02
0.25	0.00	3.730	2.710	3.820										
2001	247	23	18	260.302	-615.069	D	8.096	7.915	0.181	98.55	0.85	0.14	0.18	0.02
0.26	0.00	3.730	2.710	3.820										
2001	248	23	35	273.293	-614.653	D	8.433	7.915	0.518	92.33	7.02	0.16	0.19	0.02
0.28	0.00	3.730	2.710	3.820										
2001	249	23	35	273.293	-614.653	D	7.953	7.915	0.038	95.16	4.35	0.13	0.14	0.01
0.21	0.00	3.730	2.710	3.820										
2001	250	23	1	270.326	-617.519	D	7.915	7.915	0.000	97.40	1.82	0.00	0.04	0.00
0.10	0.00	3.730	2.710	3.820										
2001	251	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	252	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	253	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	254	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	255	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	256	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										

2001	257	23	36	260.273	-614.148	D	7.915	7.915	0.000	97.43	1.54	0.34	0.18	0.00
0.26	0.00	3.730	2.710	3.820										
2001	258	23	79	261.714	-611.334	D	8.019	7.915	0.104	95.42	3.92	0.17	0.19	0.02
0.28	0.00	3.730	2.710	3.820										
2001	259	23	18	260.302	-615.069	D	8.328	7.915	0.413	94.60	4.57	0.20	0.24	0.03
0.35	0.00	3.730	2.710	3.820										
2001	260	23	35	273.293	-614.653	D	8.357	7.915	0.442	93.19	5.98	0.20	0.25	0.01
0.36	0.00	3.730	2.710	3.820										
2001	261	23	67	271.705	-612.860	D	7.977	7.915	0.062	93.51	6.07	0.11	0.13	0.00
0.19	0.00	3.730	2.710	3.820										
2001	262	23	36	260.273	-614.148	D	7.921	7.915	0.006	97.14	2.39	0.14	0.12	0.00
0.20	0.00	3.730	2.710	3.820										
2001	263	23	3	271.855	-617.469	D	7.919	7.915	0.004	96.06	3.28	0.17	0.18	0.02
0.27	0.02	3.730	2.710	3.820										
2001	264	23	1	270.326	-617.519	D	7.957	7.915	0.042	84.38	14.86	0.19	0.22	0.02
0.32	0.00	3.730	2.710	3.820										
2001	265	23	3	271.855	-617.469	D	8.811	7.915	0.896	86.51	12.65	0.18	0.22	0.06
0.31	0.09	3.730	2.710	3.820										
2001	266	23	3	271.855	-617.469	D	8.451	7.915	0.536	91.07	8.24	0.16	0.20	0.02
0.29	0.03	3.730	2.710	3.820										
2001	267	23	1	270.326	-617.519	D	7.915	7.915	0.000	98.78	1.30	0.00	0.06	0.00
0.13	0.00	3.730	2.710	3.820										
2001	268	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	269	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	271	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	272	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2001	273	23	79	261.714	-611.334	D	7.915	7.915	0.000	94.85	3.77	0.00	0.13	0.01
0.20	0.00	3.730	2.710	3.820										
2001	274	23	18	260.302	-615.069	D	7.910	7.910	0.000	95.54	2.68	0.00	0.17	0.00
0.25	0.00	3.720	2.690	3.760										
2001	275	23	1	270.326	-617.519	D	8.521	7.910	0.611	92.33	6.75	0.23	0.27	0.03
0.39	0.00	3.720	2.690	3.760										
2001	276	23	78	269.383	-612.012	D	8.214	7.910	0.303	91.17	7.98	0.21	0.27	0.01
0.38	0.00	3.720	2.690	3.760										
2001	277	23	36	260.273	-614.148	D	7.928	7.910	0.018	83.22	16.15	0.14	0.20	0.00
0.28	0.00	3.720	2.690	3.760										
2001	278	23	18	260.302	-615.069	D	7.912	7.910	0.002	87.74	11.65	0.14	0.20	0.00
0.28	0.00	3.720	2.690	3.760										
2001	279	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	280	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	281	23	18	260.302	-615.069	D	9.813	7.910	1.903	57.59	39.56	0.44	0.46	0.09
0.69	1.17	3.720	2.690	3.760										
2001	282	23	20	261.830	-615.022	D	9.716	7.910	1.805	52.88	43.50	0.44	0.51	0.08
0.74	1.85	3.720	2.690	3.760										
2001	283	23	35	273.293	-614.653	D	8.016	7.910	0.106	66.91	31.22	0.28	0.30	0.04
0.44	0.80	3.720	2.690	3.760										
2001	284	23	35	273.293	-614.653	D	8.414	7.910	0.503	82.14	17.19	0.15	0.20	0.01
0.29	0.02	3.720	2.690	3.760										

2001	285	23	35	273.293	-614.653	D	8.076	7.910	0.166	84.45	14.77	0.17	0.22	0.01
0.31	0.08	3.720	2.690	3.760										
2001	286	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	287	23	18	260.302	-615.069	D	8.223	7.910	0.313	82.49	15.74	0.41	0.48	0.07
0.70	0.11	3.720	2.690	3.760										
2001	288	23	9	272.589	-616.522	D	7.938	7.910	0.027	81.56	17.17	0.32	0.38	0.01
0.55	0.02	3.720	2.690	3.760										
2001	289	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	290	23	18	260.302	-615.069	D	8.335	7.910	0.425	74.19	23.82	0.49	0.56	0.04
0.82	0.08	3.720	2.690	3.760										
2001	291	23	67	271.705	-612.860	D	8.404	7.910	0.494	77.07	20.64	0.54	0.68	0.01
0.97	0.09	3.720	2.690	3.760										
2001	292	23	79	261.714	-611.334	D	7.932	7.910	0.022	71.61	27.33	0.29	0.31	0.01
0.46	0.00	3.720	2.690	3.760										
2001	293	23	35	273.293	-614.653	D	8.326	7.910	0.416	64.93	33.62	0.31	0.40	0.05
0.57	0.13	3.720	2.690	3.760										
2001	294	23	35	273.293	-614.653	D	8.437	7.910	0.527	82.76	15.20	0.42	0.53	0.04
0.77	0.28	3.720	2.690	3.760										
2001	295	23	35	273.293	-614.653	D	7.913	7.910	0.003	76.82	21.28	0.35	0.60	0.01
0.81	0.12	3.720	2.690	3.760										
2001	296	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	297	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	298	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	299	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	300	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2001	301	23	36	260.273	-614.148	D	7.916	7.910	0.005	75.40	22.82	0.40	0.56	0.03
0.79	0.01	3.720	2.690	3.760										
2001	302	23	36	260.273	-614.148	D	7.913	7.910	0.003	78.34	19.93	0.40	0.54	0.03
0.76	0.00	3.720	2.690	3.760										
2001	303	23	9	272.589	-616.522	D	8.898	7.910	0.988	53.68	44.53	0.37	0.47	0.07
0.68	0.20	3.720	2.690	3.760										
2001	304	23	18	260.302	-615.069	D	7.910	7.910	0.000	76.61	23.11	0.19	0.08	0.00
0.17	0.00	3.720	2.690	3.760										
2001	305	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2001	306	23	3	271.855	-617.469	D	8.352	7.897	0.456	77.06	21.79	0.26	0.33	0.02
0.47	0.06	3.680	2.670	3.770										
2001	307	23	1	270.326	-617.519	D	8.095	7.897	0.198	79.36	19.88	0.20	0.22	0.00
0.33	0.01	3.680	2.670	3.770										
2001	308	23	18	260.302	-615.069	D	7.897	7.897	0.000	96.88	4.69	0.00	0.60	0.00
0.76	0.00	3.680	2.670	3.770										
2001	309	23	18	260.302	-615.069	D	7.908	7.897	0.011	92.63	6.73	0.16	0.19	0.01
0.28	0.00	3.680	2.670	3.770										
2001	310	23	18	260.302	-615.069	D	7.963	7.897	0.067	88.20	10.99	0.21	0.23	0.02
0.34	0.00	3.680	2.670	3.770										
2001	311	23	3	271.855	-617.469	D	8.651	7.897	0.755	79.31	19.65	0.25	0.31	0.02
0.45	0.00	3.680	2.670	3.770										
2001	312	23	18	260.302	-615.069	D	8.382	7.897	0.485	83.03	16.18	0.20	0.24	0.01
0.35	0.00	3.680	2.670	3.770										

2001	313	23	3	271.855	-617.469	D	8.198	7.897	0.302	89.08	10.16	0.19	0.23	0.01
0.33	0.00	3.680	2.670	3.770										
2001	314	23	3	271.855	-617.469	D	8.011	7.897	0.114	91.43	7.92	0.16	0.20	0.01
0.29	0.00	3.680	2.670	3.770										
2001	315	23	36	260.273	-614.148	D	8.269	7.897	0.373	87.62	11.76	0.15	0.19	0.01
0.27	0.00	3.680	2.670	3.770										
2001	316	23	18	260.302	-615.069	D	8.193	7.897	0.296	89.67	9.58	0.18	0.23	0.02
0.33	0.00	3.680	2.670	3.770										
2001	317	23	19	261.066	-615.046	D	9.445	7.897	1.548	54.25	43.90	0.33	0.41	0.06
0.59	0.47	3.680	2.670	3.770										
2001	318	23	79	261.714	-611.334	D	7.902	7.897	0.006	91.83	7.57	0.14	0.19	0.00
0.27	0.00	3.680	2.670	3.770										
2001	319	23	18	260.302	-615.069	D	7.897	7.897	0.000	91.34	8.25	0.12	0.12	0.00
0.20	0.00	3.680	2.670	3.770										
2001	320	23	18	260.302	-615.069	D	7.897	7.897	0.000	91.23	8.34	0.11	0.12	0.00
0.20	0.00	3.680	2.670	3.770										
2001	321	23	3	271.855	-617.469	D	8.528	7.897	0.631	78.91	20.00	0.26	0.32	0.04
0.47	0.00	3.680	2.670	3.770										
2001	322	23	35	273.293	-614.653	D	8.026	7.897	0.129	84.37	14.46	0.26	0.37	0.01
0.52	0.00	3.680	2.670	3.770										
2001	323	23	1	270.326	-617.519	D	7.897	7.897	0.000	81.24	18.47	0.09	0.04	0.00
0.09	0.00	3.680	2.670	3.770										
2001	324	23	18	260.302	-615.069	D	7.897	7.897	0.000	77.08	9.38	0.00	0.33	0.00
0.41	0.00	3.680	2.670	3.770										
2001	325	23	9	272.589	-616.522	D	8.425	7.897	0.529	55.73	42.56	0.38	0.48	0.05
0.70	0.10	3.680	2.670	3.770										
2001	326	23	18	260.302	-615.069	D	8.374	7.897	0.477	66.01	31.92	0.42	0.54	0.02
0.77	0.32	3.680	2.670	3.770										
2001	327	23	53	261.008	-613.202	D	7.897	7.897	0.001	84.54	14.74	0.07	0.25	0.00
0.32	0.00	3.680	2.670	3.770										
2001	328	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2001	329	23	18	260.302	-615.069	D	8.688	7.897	0.791	44.53	52.03	0.48	0.64	0.07
0.91	1.35	3.680	2.670	3.770										
2001	330	23	67	271.705	-612.860	D	7.906	7.897	0.009	68.43	30.15	0.31	0.46	0.01
0.64	0.01	3.680	2.670	3.770										
2001	331	23	35	273.293	-614.653	D	7.931	7.897	0.034	69.22	29.93	0.17	0.24	0.00
0.33	0.11	3.680	2.670	3.770										
2001	332	23	35	273.293	-614.653	D	7.979	7.897	0.082	70.58	28.82	0.13	0.16	0.00
0.24	0.07	3.680	2.670	3.770										
2001	333	23	35	273.293	-614.653	D	7.904	7.897	0.007	73.15	26.21	0.15	0.19	0.00
0.28	0.02	3.680	2.670	3.770										
2001	334	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770										
2001	335	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2001	336	23	3	271.855	-617.469	D	8.397	7.968	0.429	74.37	24.16	0.32	0.40	0.06
0.57	0.11	3.880	2.790	3.930										
2001	337	23	18	260.302	-615.069	D	9.479	7.968	1.511	75.15	23.43	0.34	0.40	0.02
0.58	0.08	3.880	2.790	3.930										
2001	338	23	35	273.293	-614.653	D	8.879	7.968	0.911	62.90	35.59	0.33	0.41	0.01
0.59	0.16	3.880	2.790	3.930										
2001	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										
2001	340	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930										

2001	341	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930											
2001	342	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930											
2001	343	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930											
2001	344	23	16	270.266	-615.675	D	7.995	7.968	0.027	43.72	54.55	0.29	0.21	0.09	0.35
0.79	3.880	2.790	3.930												
2001	345	23	52	272.499	-613.757	D	8.987	7.968	1.019	53.33	44.44	0.28	0.46	0.04	0.63
0.81	3.880	2.790	3.930												
2001	346	23	79	261.714	-611.334	D	8.492	7.968	0.524	64.97	34.43	0.14	0.17	0.01	0.25
0.03	3.880	2.790	3.930												
2001	347	23	18	260.302	-615.069	D	9.459	7.968	1.491	69.93	29.58	0.12	0.15	0.00	0.21
0.01	3.880	2.790	3.930												
2001	348	23	17	271.030	-615.650	D	9.044	7.968	1.075	62.33	36.60	0.19	0.23	0.03	0.33
0.30	3.880	2.790	3.930												
2001	349	23	18	260.302	-615.069	D	9.841	7.968	1.872	73.17	25.21	0.23	0.28	0.02	0.41
0.68	3.880	2.790	3.930												
2001	350	23	3	271.855	-617.469	D	8.957	7.968	0.989	78.40	20.50	0.19	0.24	0.00	0.34
0.33	3.880	2.790	3.930												
2001	351	23	3	271.855	-617.469	D	7.969	7.968	0.001	88.00	11.53	0.12	0.15	0.00	0.22
0.00	3.880	2.790	3.930												
2001	352	23	1	270.326	-617.519	D	7.968	7.968	0.000	90.20	9.64	0.13	0.08	0.00	0.15
0.00	3.880	2.790	3.930												
2001	353	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	354	23	3	271.855	-617.469	D	8.226	7.968	0.258	64.10	34.38	0.36	0.42	0.05	0.61
0.08	3.880	2.790	3.930												
2001	355	23	18	260.302	-615.069	D	9.104	7.968	1.136	44.38	53.92	0.35	0.42	0.01	0.61
0.32	3.880	2.790	3.930												
2001	356	23	35	273.293	-614.653	D	7.970	7.968	0.002	61.49	37.45	0.18	0.37	0.00	0.49
0.00	3.880	2.790	3.930												
2001	357	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	358	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	359	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	360	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	361	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	362	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	363	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												
2001	364	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3.880	2.790	3.930												

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species																				
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
			2001	43	23	7	271.060	-616.572	D	11.211	7.809	3.401	69.70	29.20	0.17	0.23	0.03				

--- Number of days with Delta-Deciview => 0.50: 54

--- Number of days with Delta-Deciview => 1.00: 19

--- Largest Delta-Deciview = 3.401

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR COORDINATES (km) TYPE DV(Total) DV(BKG) DELTA DV

1 270.326 -617.519 D 8.071 7.864 0.207

--- Number of recs with Delta-Deciview > 0.10: 80

--- Largest Delta-Deciview = 0.207